

50X1-HUM

PRODUCTION OF SYNTHETIC FIBERS IN SOVIET ZONE GERMANY

50X1-HUM

19 October 1950

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Monthly Report, March 1950

1. Quotas and Production

a. Cellulose Wool

No disturbances occurred in production during March, so that the quotas were exceeded and the February deficit was made up. The quarter-year quota was fulfilled as follows:

Schwarga 102.7 percent

Blanchau 104.2 percent

Maun 102.1 percent.

One thousand tons of cellulose wool B were shipped to Poland. The Poles are very slow about returning the sacks. They have returned only 2,500 of the 16,000 sacks shipped last year, claiming that the cellulose wool has not yet been processed and is still in the sacks.

The 600 tons of cellulose wool C for export to the East were not released by the Main Administration for Materials Supply. This order ^{will} not be filled until the end of the second quarter, because the bottlenecks in cellulose and sodium hydroxide must first be eliminated.

b. Artificial Silk

The production quotas for viscose were also exceeded. The quarter-year quota was fulfilled as follows:

Firna 102.9 percent

Elsterberg 107.9 percent

Fremnitz 110.4 percent.

Cord production is delayed by the delay in shipping spinning and thread machines; only 3.5 percent of the quota was fulfilled during the quarter.

Copper rayon production has been increased, but not as much as had been planned. Lead pipes and lead sheets, the former for the chemical processing and the latter for the spinning machines, were not delivered on time. Ball bearings and electrical equipment also have not yet been obtained. The quarter-year quota was 8 percent fulfilled.

c. Perlon

The Ministry of Industry, Main Administration for Light Industries, has

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allocated 55 tons of lactam. According to information obtained from the Lanna Works, they can ship only 40 tons. However, the production quota can be met only if the 55 tons allocated are supplied in their entirety. The production quota for the first quarter was 100.2 percent fulfilled.

d. Sulfuric Acid

Both sulfuric acid plants achieved very satisfactory ^{actory} production results during March.

Schwarza exceeded its production quota. If production is figured on the basis of days worked, the actual production is slightly below the quota. It should be repeated that the quota is too high. This has been pointed out before, but always without result. The workers will not be able to maintain the present rate of production, despite all efforts, because the catalysts will wear out and become less efficient.

The pyrites supply is critical. The inventory does not even meet the requirements for one month's production, and keeps going down, because no new shipments are being received. The thousand tons of imported pyrites which had been promised were not delivered. Schwarza will receive only 2,600 tons of pyrites during April.

The heat exchangers at the Doeberitz plant have finally been repaired, after boiler tubings and welding electrodes were obtained. This resulted in much higher efficiency and higher production. The production quota, which was set much too high to start with, was almost reached, although the third installation at Doeberitz has not yet started operation.

Attempts are being made to overhaul and repair the installations, but since there are no financial means available for importing from the West essential parts which are not manufactured in the ~~Soviet~~ Eastern Zone, these are still lacking.

The pyrites supply situation is similar to that at Schwarza. The promised deliveries did not arrive at Doeberitz, either.

e. Carbon Disulfide

The quota for Schwarza was greatly increased. It was possible to increase production, but because of the lack of retorts the quota could not be met.

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Retort manufacture is hampered at the foundry by a lack of proper hoisting equipment. It is hoped that these difficulties will soon be overcome. Schwarzma has developed new processes for increasing the output of the retorts. Although the reaction carbon was supplied by a charcoal-coke mixture, the average output per retort was increased to the all-time high of ~~3~~ 1.092 tons per day.

Premnitz reached its production quota. New units are being built, so that it will soon be possible to make up the deficit of the past months. The revolving-grate generator is still out of operation, because the material for its repair is not available. Work cannot be accelerated as much as it should be, because these bottlenecks interfere. Premnitz is going to take measures for making the plant operate more efficiently and economically, and for ~~its~~ increasing production.

f. Active Carbon

Production was approximately the same in quantity as in the previous month. The quality of the active carbon produced is very high. It was possible to obtain the necessary raw materials.

g. Because of a breakdown in another plant, the third formaldehyde installation had ~~not~~ to be operated during the month of March, so that production was considerably above the quota. However, this is probably only temporary. The slight increase in the average rate of consumption of raw materials is due to the increased quantity required for starting the third unit.

2. Raw Materials

a. Cellulose

The cellulose supply has not yet been clarified. A deficit of 16,500 tons from last year is still to be delivered. At present there is not even enough cellulose on hand to meet the quotas set for the second quarter of 1950.

b. Sodium Hydroxide

The following domestic production was supplied to our plants:

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from Buna	2,391 tons
from Osternienburg	281 tons
from Ammendorf	100 tons
from Wolfen	423 tons
Total	3,195 tons of 100-percent Na OH.

The only imports were 26 tons of sodium hydroxide from Viehweger, Bernhardt, and Company, at Bayreuth.

The ~~stock~~ stocks on hand at Schwarza decreased from 1,892 to ⁵²²~~945~~ tons during the past month, so that the second quarter is started without enough reserve stocks. Large imports are absolutely required soon.

Our allocation for the second quarter of ~~1950~~ 1950 is 12,464.5 tons. This would be sufficient, if domestic production were able to account for more than 75 percent of it, which is not the case.

c and d. Sulfuric Acid and Carbon Disulfide

Supply of both was adequate, so that there was no difficulty. Our only criticism is directed against the fact that we are obliged to accept several hundred tons of chamber process sulfuric acid every month.

e. Sulfur

Supply was satisfactory.

f. Pyrites

We have continuously pointed out that the pyrites supply situation is becoming more and more critical. The stocks at Schwarza and Premnitz will last only for about 20 days, and the allocation for April is altogether inadequate. By the end of April, the stocks at Premnitz will be only 500 or 600 tons, which ^{will}~~would~~ last only seven or eight days.

If the shortage of pyrites in the Eastern Zone should necessitate cutting down on the production of sulfuric acid, we suggest in the interest of the production of artificial fibers that production at Schwarza and Premnitz not be cut down so long as pyrites are still being allocated for the production of the inferior sulfuric acid made by the chamber process.

g. Coal

The allocations were adequate, after our additional requests had been granted.

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3. Accessory Materials

a. Iron straps for packing; these constitute a serious bottleneck at Schwarz. It has been impossible so far to find a firm to manufacture the quota allocated to us. Measures should be taken immediately.

b. Precious Metals

The following quantities of precious metals were requested for the second quarter of 1950: 10,130 grams of gold, 4,440 grams of platinum, and 100 grams of rhodium. These must be supplied quickly, to enable the spinneret factory at Groebzig/Inhalt to fill our orders. Our production program depends on this.

c. Zinc Sulfate

Supply in March easily met the requirements. VVB Mansfeld supplied 735 tons of zinc sulfate during the first quarter. It should therefore be possible to meet our newly calculated yearly requirements of 1,604 tons. We expect our allocation to be increased, since only 135 tons of the 270 tons allocated still remain to be delivered.

The experiments with Mansfeld zinc oxide were not successful, because it contains too many impurities.

d. Light Bulbs

This always has been and still is a bottleneck. We are now using up our allocation for the third quarter of 1950, because the supply situation is forcing us to do so.

e. Allocations of Materials

[German Trade Centers ?]
The DHZ's do not work out the allocations fast enough, and should accelerate their work.

f. Allocation of West Marks

We applied for 366,459 DM-West, but only 2,198 DM-West, for the installation of the turbine at Schwarz, have been approved so far.

4. Development

The Ministry of Industry, Main Administration for Light Industry, has made an informal promise of the following investments for the purpose of developing the plants:

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227,000 DM for Plauen, to reach a production of 40 tons per day
 960,000 DM for Schwarza, to reach a production of at least 70 tons per day
 2,540,000 DM for Schwarza, to reach a Berlen production of 100 tons per year
 190,000 DM for Premnitz, to develop the active carbon plant to 950 tons per year.

Gold and some platinum were made available in March for the production of spinnerets, so that development of Pirna and Premnitz will no longer be hampered by this factor.

5. Accident Rate

The accident rate for the entire VVB was 0.65 in January, and 0.63 in February. There were 79 slight accidents, 31 moderately serious accidents, no serious accidents, and no fatal accidents.

6. Power Supply**Schwarza**

Boiler Plant I: One boiler out of operation (being relined), second boiler not operating properly because of difficulties in ash removal.

Boiler Plant II: All three boilers operating normally.

Electric Power Plant: Winding of stator damaged; turbine had to be shut off.

Plauen

Assembly of boiler ~~xxx~~ No. 4 interrupted because of lack of tubes.

Premnitz

Boiler Plant I: Boiler No. 2 is operating temporarily as auxiliary for Boiler Plant II.

Boiler Plant II: Boiler No. 1 temporarily out (grate defect, repaired in 2½ hours); boilers Nos. 3 and 4 out of operation for overhaul and cleaning.

Electric Power Station: New oil cooler installed on turbine No. 5.

Pirna

All four auxiliary boilers out of operation. High-performance boiler was operating.

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spinning plant, this firm is altering the product somewhat, because the goods treated with it were too dry, ~~WUCERER~~

h. A series of experiments are being conducted at Glauchau, Plauen, and Schwarza to determine the reasons for the variable solubility of cellulose wool in alkali solution.

Federation of People-Owned Enterprises (Zone)

Synthetic Fibres

(signed -- illegible)

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Name of Plant	Planned Investments	Payment from Special DIB Account	Bills Unpaid xxxxxxx and Services Not Yet Billed	Fulfillment of Financial Plan	Fulfillment in %
Schwarza	3,000,000	299,600	140,300	439,900	14.7
Glauchau	500,000	64,000	73,600	137,600	27.5
Plauen	400,000	15,921	1,400	17,321	4.3
Premnitz	2,650,000	443,000	-	443,000	16.7
Pirna	25,316,000	4,454,586	604,000	5,058,586	19.9
Total	31,866,000 valued	5,277,107	717,300	6,096,407	19.1

^aThat is, projects/above a certain specified amount.

The Premnitz plant also reports ~~xxx~~ supplemental project for the active carbon plant: planned investment -- 190,000; payment from special DIB account -- 3,300. The same plant also reports the following for minor projects: planned investment -- 50,000; unpaid bills -- 3,855.

b. Major Repairs, January and February 1950

Name of Plant	Amount Approved for 1950 (Plan)	Accounted for in January and February	Fulfillment of Plan in %
Schwarza	1,661,000	55,271.00	3.3
Glauchau	392,000	23,650.08	6.0
Plauen	280,000	8,561.38	3.1
Premnitz	629,000	40,721.00	6.5
Pirna	172,000	13,286.00	7.7
Total	3,135,000 2,124,000	141,489.46	4.5

8. Efficiency

Sulfuric acid: (Schwarza): February -- 86.78; March -- 86.24.

Carbon disulfide (Schwarza): February -- 357; March -- ~~338~~ 343.

(Premnitz): February -- 397; March -- 418.

Formaldehyde (tons of methanol consumed per ton of product): February -- 0.504; March -- 0.627.

Active carbon (percent of quota): February -- ~~182~~ 170; March -- 165.

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9. Miscellaneous

Research projects:

a. The second group of research projects has been approved by the Ministry of Planning and the plants concerned have been informed.

b. Export inquiries from foreign firms: There have been so many inquiries that the Ministry for Industry ^{was} ~~was~~ asked for a general directive as to what the plants are to do in such cases. The answer was that the inquiries should be referred through the Federation to the DANA Textil (German Foreign Trade Company) in Berlin.

c. Maintenance of patent rights in Western Germany: Since a deadline has been set for the renewal of patents, the Bureau for Invention in Schwarza has been commissioned to request the plants to furnish lists of still existing patents so that a decision can be made as to which ones are still of interest.

d. Control of cellulose: Peschelmühle had to register a complaint because cellulose was delivered in dirty freight cars. Pirna complained that sheets of variable thickness were received.

e. Consumption of sulfuric acid: The variable sulfuric acid consumption in the cellulose wool plants is being investigated at present. It is apparently due to a considerable extent to the unequal cable absorption. It is hoped that by exchanging ideas the plants will be able to solve this problem.

f. Waste water purification: All the plants are interested in this problem, and a conference is to be held to discuss the construction of the necessary installations.

g. Finishing materials: The firm of Stockhausen and Company has offered a finishing material for cellulose wool. The material, which is intended for the W type, is based on synthetic fatty acids. The firm was ~~asked~~ asked to modify this product for use on B type, with silk-like scroop. Such a product was furnished and is being tested at present at the Glauchau spinning plant. The firm hopes that this product will make it independent of olein, which is hard to procure.

Fettchemie, Chemnitz, has also furnished a finishing material for cellulose wool type B which aims at producing silk-like scroop without the addition of seromin or seromin-type materials. On the basis of tests at the Glauchau

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Monthly Report for March 1950

Federation of People-Owned Plants "Synthetic Fibers" (Zone) -- Glauchau/Sachsen

1. Production of Synthetic Fiber in Tons

	Type	Quota		Actual	
		March	1950	March	1950 (1st quarter)
Glauchau	B	1,101.0	11,960.0	1,228.1	3,502.6
	W	30.0	1,960.0	25.9	30.4
	B plus W	1,131.0	13,920.0	1,254.0	3,533.0
Flauen	B	960.0	11,940.0	1,014.6	2,940.4
Schwarza	W	1,860.0	23,040.0	2,131.1	5,733.1
Pirna	Viscose	109.0	1,300.0	117.9	334.6
	Cord	142.0	2,400.0	11.2	11.2
	Copper	25.0	500.0	2.0	3.6
	Total	296.0	4,200.0	131.1	349.4
Elsterberg	Viscose	167.0	2,000.0	193.2	539.9
Premnitz	Viscose	250.0	3,000.0	285.1	828.3
Zellwolle (cellulose wool)	B	2,061.0	23,900.0	2,242.7	6,443.0
	W	1,890.0	25,000.0	2,157.0	5,763.5
	Total	3,951.0	48,900.0	4,399.7	12,206.5
Artificial silk		713.0	9,200.0	609.4	1,717.6
Perlon	Cord	15.0	180.0	15.5	48.7
VVB "Synthetic Fibers"		4,679.0	58,280.0	5,024.6	13,972.8
Wittenberge	W	-	1,500.0	-	-
	Cellulose jute	450.0	5,400.0	488.0	1,287.2

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	Denier	Planned Production		Actual Production	
		Tons	1,000 km	Tons	1,000 km
Elsterberg					
60	50.0	7,500	59.5	8,925.0	
80	16.7	1,807	23.2	2,621.6	
100	50.0	4,500	53.7	4,833.0	
120	33.3	2,498	37.5	2,812.5	
150	16.7	1,002	19.3	1,158.0	
Total	166.7	17,387	193.2	20,350.1	
Pirna					
60	60.7	9,105	68.2	10,230.0	
100	8.6	774	9.2	828.0	
120	39.0	2,925	40.5	3,037.5	
690	106.7	1,387	11.2	145.6	
Total	215.0	14,191	129.1	14,241.1	
Copper					
60	2.7	405	1.0	150.0	
80	3.3	372	-	-	
100	5.0	450	0.2	18.0	
120	4.0	300	0.8	60.0	
Total	15.0	1,528	2.0	228.0	
Presnitz					
75	28.4	3,408	26.9	3,228.0	
100	80.8	7,272	83.2	7,488.0	
120	104.2	7,815	110.9	8,317.5	
150	23.3	1,398	43.1	2,586.0	
200	13.3	599	21.0	94.5	
Total	250.0	20,492	285.1	21,714.0	
Total for VVB		646.7	53,598	609.4	56,533.2

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Plant	Own Use*	From Outside xxxx	Total	To Outside	Own Use
Glauchau	1,820.8	27.6	1,848.4	6.7	1,841.7
Plauen	1,738.8	0.8	1,739.6	98.9	1,640.7
Schwarza	5,395.9	8.2	5,404.1	335.2	5,068.9
Elsterberg	2,228.4	543.3	2,771.7	24.2	2,747.5
Pirna	295.1	854.9	1,150.0	-	1,150.0
Premnitz	2,921.4	-	2,921.4	494.3	2,427.1
Total for VVB	14,400.4	1,434.8	15,835.2	959.3	14,875.9

Utilization of Working Time in February 1950

	Glauchau	Plauen	Schwarza	Elster- berg	Pirna	Premnitz	Total
Shifts planned	29,062	23,928	94,784	33,360	44,664	86,175	311,973
Actual shifts	25,889	21,934	86,244	30,550	40,025	74,517	279,159
Special shifts	-	611	-	214	-	-	825
Shifts lost, total	3,173	2,605	8,540	3,024	4,639	11,658	33,639
Paid leave	581	656	1,608	528	878	3,087	7,338
Sickness	1,925	1,574	5,001	2,160	2,436	6,632	19,728
Special leave	665	368	1,781	336	1,325	1,758	6,233
Loafing	2	7	150	-	-	181	340
Plant shut-down	-	-	-	-	-	-	-

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8. Personnel Strength on 1 March 1950

	Glauchau	Flauen	Schwarsau	Kletzig	Pirna	Premnitz	Total
1. Production workers	401	313	1,111	567	607	1,830	4,829
2. Production workers' helpers	147	143	378	292	154	64	1,180
3a Electric power plant	52	16	136	34	92	52	382
3b Handworkers, auxiliary workshops	171	232	578	1577	189	575	1,900
3c Stock, yard, and shipping labor	135	103	401	59	146	274	1,118
A Industrial workers	906	809	2,602	1,109	1,188	2,795	9,409
4 ^{Manning} Key (Technical Personnel/Administrative)	7	10	20	7	5	25	74
	7	3	5	2	2	7	26
5a Commercial employees ^{Salts Personnel}	46	36	216	61	80	126	565
5b Technical employees	27	14	154	26	56	33	310
5c Master-workmen - salaried	13	18	73	27	47	85	263
5d ^{Salts} Commercial apprentices	4	4	24	3	6	23	64
5e Technical apprentices	73	—	11	—	10	27	121
6 Trade apprentices	43	42	138	37	83	155	498
B Industrial personnel	1,126	936	3,243	1,272	1,477	3,276	11,350
7-13 { Other workers Laborers	102	57	238	121	455	342	1,515
{ Technical Empl.	—	—	—	—	1	—	1
{ Workers Commercial	—	6	—	—	1	—	7
C Total Personnel	1,228	999	3,481	1,393	1,934	5,618	12,633
male	1,080	808	2,726	969	1,316	2,260	9,159
female	148	191	755	424	618	1,358	3,494
Juveniles	189	103	512	257	474	997	2,532

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Material	Tons Requested	Tons Allocated	Tons Delivered	Tons Used in March	Tons on 31 March	Will Last for (Days)
Cellulose Atro						
Cellulose wool	4,507.0	3,350.0	3,848	4,640.6	1,890.1	12
Artificial silk	692.0	491.0	759	722.3*	726.9	31
Total	5,199.0	3,841.0	4,607	5,362.9*	2,617.0	15
NaOH, 100%						
Cellulose wool	3,512.0	3,214.0	2,677	3,653.9"	1,359.1	12
Artificial silk	688.0	648.0	544	628.6	247.0	11
Total	4,160.0	3,862.0	3,221	4,282.5"	1,606.1	11
CS₂						
Cellulose wool	1,129.0	1,090.0	1,161	1,171.9	482.2	13
Artificial silk	203.0	200.0	200	204.3	203.8	30
Total	1,332.0	1,290.0	1,361	1,376.2	686.0	16
SO₃						
Cellulose wool	4,106.0	4,066.0	4,177	4,265.7	1,872.7	13
Artificial silk	794.0	785.0	762	787.0	1,044.3	39
Total	4,900.0	4,851.0	4,939	5,052.7	2,917.0	18
Coal	40,982	37,830	-	39,272#	23,304	17

*Including: Waste at Elsterberg, 3.0, and at Pirna, 1.0.

"31x tons of this given to the Persch firm in Glauchau.

#Of this, 318 tons given to the Pirna cellulose plant.

**12. Consumption of Raw Materials per 100 Kilograms of Spinning Mill Product
(not including waste)**

	Cellulose Atro	NaOH	CS ₂	SO ₃	Coal
Glauchau	107.5	79.6	27.0	88.1	445
Plauen	102.1	87.6	24.2	97.6	488
Schwarza	105.9	82.6	27.5	101.8	-
Wittenberge		No data as yet			
Elsterberg	120.1	93.6	26.9	129.9	842
Pirna	115.4	111.8	40.6	147.2	2,275
Premnitz	118.9	105.6	34.7	120.3	-

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12. Inventory of Spinning Pumps by Type and Make, 31 March 1950

~~A) Artificial Silk~~

Plant	Make of pump	Amt. pumped per revolution (cc)	Installed	In Reserve	At the plant, not installed, need repairs	Undergoing repair by outside firms	Total
<u>Elsterberg</u>							
Fraessisa	0.6		2,828	143	178	1,667	5,016
Barmag	0.6		3,435	654	2,957	1,199	8,436
Werdohl	0.6		649	15	56	---	720
Ludwig	0.6		97	---	25	---	120
Total			7,009	812	3,214	3,257	14,292
<u>Pirna</u>							
Fraessisa	0.6		1,800	157	153	800	2,910
Werdohl	0.6		2,882	703	659	1,800	6,044
Ludwig	0.6		1,980	449	11	---	2,440
Ludwig	1.2		---	600	---	100	700
Fraessisa	1.2		144	115	41	---	300
Total			6,806	2,024	864	2,700	12,394
<u>Pregwitz</u>							
Barmag	0.6		4,833	---	3,830	400	9,063
Barmag	3.0		350	206	123	---	679
Ludwig	0.6		2,646	187	1,256	273	4,362
Fraessisa	0.6		1,837	694	413	295	3,239
Tavannen	0.6		274	---	26	---	300
Werdohl							
3-piston	0.6		50	---	---	---	50
5-piston	0.6		---	---	---	---	---
gear	0.6		1	---	---	---	1
Total			9,991	1,087	5,648	968	17,694
<u>Glanchau</u>							
Werdohl			---	---	---	---	---
Total			---	---	---	---	---
Total			23,806	3,923	9,726	6,925	44,380

13.

~~Inventory of Spinning Pumps by Type and Make, 31 March 1950~~

B) Cellulose Wool

<u>Schwarze</u>							
Heilfrich	75		110	124	79	---	313
Steinen (?)	75		30	---	2	---	32
Werdohl	75		30	43	36	---	109
Barmag	75		40	4	2	---	46
Forster	75		---	---	25	---	25
Total			210	171	144	---	525
<u>Glanchau</u>							
Hamel	18		1,394	150	292	143	1,939
Werdohl (Vin.)	12		---	---	10	---	10
Total			1,394	150	342	63	1,949
<u>Flauen</u>							
Hamel	6		1,778	403	292	141	2,614
Ludwig	6		22	10	168	---	200
Werdohl	6		---	---	---	367	367
Barmag	12		272	170	---	---	442
Total			2,072	583	460	508	3,623

Wittenberge

no figures ~~given~~ available

Total			3,676	904	946	571	6,097
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12. Inventory of Spinning Pumps by Type and Make, 31 March 1950

~~A) American-made~~

Plant/ Make of pump	Ant. pumped per revolu- tion (cc)	Installed	In Reserve	At the plant, not installed, need repairs	Undergoing Rep. Repair by with outside firms	Total
A) American-made						
<u>Elsterberg</u>						
Fraenisa	0.6	2,828	143	178	1,867	5,016
Barnag	0.6	3,435	654	2,957	1,199	8,436
Werdohl	0.6	649	15	56	---	720
Ludwig	0.6	97	---	25 ³	---	120
Total		7,009	812	3,214	3,257	14,292
<u>Pirna</u>						
Fraenisa	0.6	1,800	157	153	800	2,910
Werdohl	0.6	2,882	703	659	1,800	6,044
Ludwig	0.6	1,980	449	11	---	2,440
Ludwig	1.2	---	600	---	100	700
Fraenisa	1.2	144	115	41	---	300
Total		6,806	2,024	864	2,700	12,394
<u>Premnitz</u>						
Barnag	0.6	4,833	---	3,830	400	9,063
Barnag	3.0	350	206	123	---	679
Ludwig	0.6	2,646	187	1,256	273	4,362
Fraenisa	0.6	1,837	694	413	295	3,239
Tavannen	0.6	274	---	26	---	300
Werdohl						
3-piston	0.6	50	---	---	---	50
5-piston	0.6	---	---	---	---	---
gear	0.6	1	---	---	---	1
Total		9,991	1,087	5,648	968	17,694
<u>Glauchau</u>						
Werdohl	---	---	---	---	---	---
Total		23,806	3,923	9,726	6,925	44,380

13.

~~Inventory of Spinning Pumps by Type and Make, 31 March 1950~~~~B) Cellulose Wool~~Schwarze

Helfrich	75	110	124	79	---	313
Steimen (?)	75	30	---	2	---	32
Werdohl	75	30	43	36	---	109
Barnag	75	40	4	2	---	46
Forster	75	---	---	25	---	25
Total		210	171	144	---	525

Glauchau

Hamel	18	1,394	150	392	143	1,939
Werdohl(Vin.)	12	---	---	10	---	10
Total		1,394	150	342	63	1,949

Flaen

Hamel	6	1,778	403	292	141	2,614
Ludwig	6	22	10	168	---	200
Werdohl	6	---	---	---	367	367
Barnag	12	272	170	---	---	442
Total		2,072	583	460	508	3,623

Wittenberge

no figures given available

Total	3,676	904	946	571	6,097
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CONFIDENTIAL**Sulfuric Acid Production, March 1950****1. Production quota and actual production , in tons**

	Schwarza	Premnitz	Total
Quota	2,700	1,466	4,166
Stocks on 1 March	446	1,085	1,531
Production during March	2,759	1,346	4,105
Own consumption	1,947	339	2,286
Shipped out	905	804	1,709
Stocks at end of month	353	1,288	1,641

2. Pyrites, in tons

	Schwarza	Premnitz	Total
Stocks on 1 March	3,015	1,187	4,202
Amount received during month	2,322	1,692	4,014
Used (own consumption)	3,009	1,420	4,429
Stocks at end of month	2,328	1,459	3,787

~~Amount received during month~~**3. Roast pyrites, in tons**

	Schwarza	Premnitz	Total
Stocks on 1 March	3,658	33,944	37,602
Increase during the month	2,107	994	3,101
Used up during the month	2,279	-	2,279
Stocks at end of month	3,486	34,938	38,424

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CONFIDENTIAL**Monthly Report for March 1950 on Production of CS₂****and Consumption****1. Production/in Tons**

	Schwarza	Premnitz	Total
Quota	1,180	487	1,667
Production	767	487	1,254
% of Quota	65	100	75
Own consumption	575	99	674

2. Average Consumption of Raw Materials, in Tons [per ton of product]

		Month	Last Year
Sulfur	Schwarza	0.994	1.022
	Premnitz	0.982	1.080
Reaction coke	Schwarza	0.279	0.213
	Premnitz	-	-
Charcoal	Schwarza	0.139	0.166
	Premnitz	0.296	0.240
Generator coke	Schwarza (gas coke)	0.943	0.821
	Premnitz (gas coke)	0.380	0.350
	Premnitz (brown coal coke)	0.275	0.340

3. Retorts

	Schwarza	Premnitz
Retorts in operation	24	17
Retorts in reserve	2	9 (?)
Retorts put into service	5	4
Retorts withdrawn from service	3	2

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Production of Active Carbon in March 1950 (VVB Synthetic Fibers)

Quota: 50 tons

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Actual: 82,301 tons, or 164.5 % of quota

(43.213 tons as granules, 39.038 tons as powder, .050 tons special)

Production of Formaldehyde in March 1950 (VVB Synthetic Fibers)

Quota: 300 tons

Actual: 413 tons, or 138 % of quota

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[Note: Some of the figures in the original table were not clear]

Glauchau, 7 February 1950

Production, January 1950 (in tons)

		Quota Per the Month	Per the Year	Actual January
Cellulose wool	B	1,129.0	13,920.0	1,132.0
	W	-	-	-
Glauchau	B plus W	1,129.0	13,920.0	1,132.0
Plauen	B	960.0	11,940.0	1,001.0
Schwarza	W	1,860.0	23,040.0	1,884.0
Artificial silk	Viscose	108.0	1,300.0	108.3
	Cord	60.0	2,400.0	-
	Copper	5.0	500.0	0.8
Pirna	Total	173.0	4,200.0	109.1
Elsterberg	Viscose	166.0	2,000.0	168.9
Premnitz	Viscose	250.0	3,000.0	270.2
Peblon	Fiber	-	-	-
Premnitz	Bristles	-	-	6.7
Schwarza	Bristles	-	-	5.0
	Silk	-	-	-
	Cord	15.0	180.0	17.0
VVB Synthetic Fibers	B	2,089.0	25,860.0	2,133.0
	W	1,860.0	23,040.0	1,884.0
Cellulose wool		3,949.0	48,900.0	4,017.0
Artificial silk		589.0	9,200.0	518.2
Perlon		15.0	180.0	17.0
Total (plan)		4,553.0	58,280.0	4,582.2
Wittenberge	B	-	-	-
	W	100.0	1,500.0	371.0
	Jute	600.0	7,200.0	371.0
	Total	700.0	8,700.0	412.0
	CS ₂	666.0	8,000.0	-
	Cellulose	-	-	-
CS ₂				690.0
Schwarza		1,180.0	14,160.0	404.0
Premnitz		486.0	5,840.0	1,004.0
Total		1,666.0	20,000.0	-
SO ₂				2,745.0
Schwarza		2,700.0	32,400.0	1,169.0
Premnitz		1,466.0	17,600.0	3,914.0
Total		4,166.0	50,000.0	-
Schwarza	Formal- dehyde	300.0	3,600.0	216.0
Premnitz	Active carbon	50.0	600.0	68.9
VVB	Electric power (1,000 kwh)	11,000.0	130,000.0	12,845.9

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Federation of People-Owned Plants "Synthetic Fibers" (Zone)

Glauchau/Sachsen

RAW MATERIALS REQUIREMENTS, 1950, FOR ARTIFICIAL FIBER PLANTS

1950	Schwarze	Glauchau	Flaumen	Pirna	Klisterberg	Premnitz	Wittebg.
Pretable Production (in tons per day)	66.8	41.8	36.6	9.4	5.9	10.0	19.6
Production Capacity	24,040	15,060	13,180	2,880 505x	2,120	3,600	7,500
Cellulose Atro							
Consumption Factor	108	108	105	110 120	102	110	110
Requirements (in tons)	25,964	16,265	13,840	3,168 606x	2,162	3,960	8,250
NaOH 100%							
Consumption Factor	84	82	88	103 27	86	99	95
Requirements (in tons)	20,194	12,349	11,598	3,104	1,824	3,564	7,127
CS ₂							
Consumption Factor	29	28	24	33	26	32	38
Requirements (in tons)	6,972	4,217	3,163	950	552	1,152	2,850
SO ₃							
Consumption Factor	101	87	100	135 135	117	118	130
Requirements (in tons)	24,280	13,102	13,180	4,570	2,480	4,249	9,750

x - Copper
x) - High-grade Cellulose

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Ethylene glycol				10	10.0	20.0
Sodiummercolate					+ 6.0	6.0
Vaseline oil						34.0
Paraffine oxide- tion products	Gerove, Kottbus	34.0				
Sopal P, concentrated	Duna Works	2.3	1.5			3.8
Butanol	" "		0.24			0.24
Emulphor A	West Germany				+ 0.6	0.6
KOH			0.11	2.0	0.4	2.0
25% NH ₃		6.7	0.54			7.24
Meriol B	"Fettchemie"		1.35		+ for special oil	

* - If Saramin products are used exclusively for production of R-type cellulosic wool,
the totals in the last column will change as follows:

Olain 45.6
Spindle oil 169.0
Stearic acid 72.3
Ethylene oxide 58.3

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